

### **ABSTRACT**

A lighting system 10" comprises a plurality of arms 12 each of which support a plurality of optical fibre strands 14. The arms 12 are retained by a housing part 28b which is able to rotate relative to the housing part 28a. A length 20 at a distal end of each strand 14 extends from its corresponding arm 12 and is able to freely move. The arms 12 are rotated about their respective longitudinal axes by a transmission system 22 which receives drive from a motor 110 located in the housing part 28a. A lighting system 112 produces light of remotely controllable variable wavelength which is channelled through the optical fibre strands 14. By the use of a hand-held remote transmitter, the user is able to select a desired wavelength or combination of wavelengths of light to be emitted by the lighting system 112. As the arms 12 rotate about their lengths, and the housing part 28b rotates relative to the housing part 28a, the lengths 20 of the fibres 14 move in a random and erratic fashion through the air producing an erratic lighting effect.